



SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Mechanical Engineering
Event Report

Automobile Workshop For Science Concept, Chunabhatti
(03/11/2018 and 04/11/2018)

Event Information

Event Type: Interaction

Event title: Automobile Workshop for Science Concept, Chunabhatti

Event date: 03/11/2018 and 04/11/2018

Organized for: All students (All Branches)

Organized by: Mechanical Department (SAE Council)

Target audience (branch & nos.): All Students

Attachments: 1. Photographs (in JPEG/PNG)
2. Attendance report

Event Description

An automobile workshop was held at our college. This workshop was held for the students on 03/11/2018 and 04/11/2018. This workshop gave students a brief idea about working of an automobile vehicle, operation of machines like lathe machine, angle grinder, bench grinder, etc. and also about the use of CAD softwares. It was conducted in our college's workshop and was held for two days.

Day 1

The workshop was started with the illustration of chassis department. Here, the students were explained about the importance of chassis, its types, etc. after this, they were given the explanation about the wheel assembly department, where they were explained about traction force, tire nomenclature, etc. They were given a lunch break of one hour. After that, session of drivetrain department was conducted. they were taught about the functioning of engine, CVT, gearbox and applications of zeppa. After this part, session of suspension department was organized, wherein they were taught about the double wishbone suspension, leafspring suspension and their significance. They were given a refreshment break wherein they were provided with a soft drink and fast food. At the end, a fun activity was carried out, wherein students were guided to make a PVC model of our chassis.

Day 2

This day started with the session of steering department, in which they were given a brief idea about various steering mechanisms like Ackermann geometry, pro-Ackermann, etc. After this part, brakes department conducted a session, in which they covered topics like how brakes works, its necessity, its types, and various principles governing it. they were given a lunch break of one hour. Eventually they were taken to the machine shop of our college, where they were taught about the working of the lathe machine, various operations performed on it and its industrial appliances. Thereafter they were explained about the various CAD softwares like solid works, Ansys, etc, which our team uses in making the design of our vehicle. After this, they were introduced to different fabrication like cutting, grinding, profiling, polishing and welding. At the end of the day, fun activity was organized where assembly and disassembly of vehicle was carried by students under the guidance of the seniors and thereafter refreshments were provided.

1. Photographs (in JPEG/PNG)





2. Attendance list:

10.	Tshan Valinbe	Tshan
2.	Avanish Chovarkar	Avanish
3.	Manshi Thakur	Manshi
4.	Hardik Patil	Hardik
5.	Dhruv Gula	Dhruv
6.	Vedant Pawar	Vedant
7.	Dhruv Shah	Dhruv
8.	Kushal Ahis	Kushal
9.	Pranav Sonawane	Pranav
10.	Shreyash Motalikar	Shreyash
11.	Aditi Wagle	Aditi
12.	Kanishka Gharat	Kanishka
13.	Ira Jambhede	Ira
14.	Jinay Gula	Jinay
15.	Jyoti Bapat	Jyoti
16.	GOURI DESHPANDE	GOURI
17.	Parth Savla	Parth
18.	Ashya Nair	Ashya
19.	Shaurya Karandikar	Shaurya
20.	Mirani Kapadia	Mirani
21.	ARYAN KAPALE	ARYAN
22.	Balraj Phakur	Balraj
23.	Anam Fakhari	Anam
24.	Saad Mufed	Saad
25.	Hritikrishna Panigrahi	Hritik
26.	Milani Kadam	Milani
27.	PRABODH KEDARE	PRABODH
28.	Preshit Varadkar	Preshit